

Amphibious Warfare Program



PMS377 Program Update Surface Navy Association 13 January 2016



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PEO Ships (PMS377)

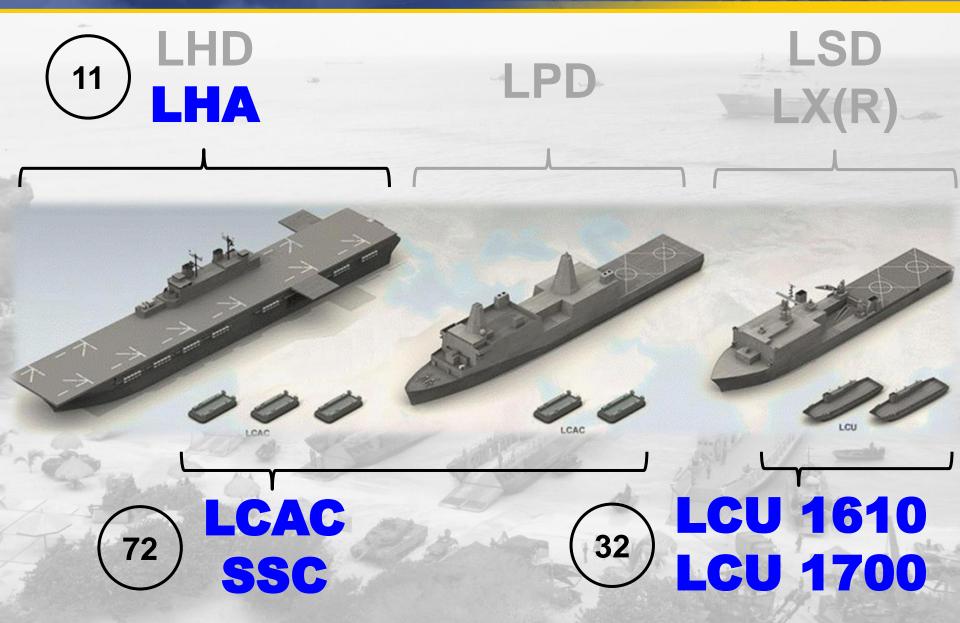
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Amphibious Ready Group







Programs







Pre-Systems Acquisition

Systems Acquisition

Sustainment









acquisition and lifecycle responsibilities



Big Deck Evolution



LHD 8

LHA(R) FLT 0 (LHA 6/7) LHA(R) FLT 1 (LHA 8)

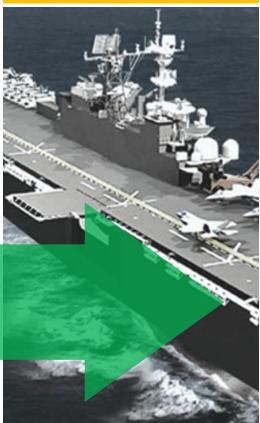
2009

2014/2018

2024 (PLANNED)







All Hybrid Propulsion (Gas Turbine or Electric)



LHA(R)









LHA(R) Flt 0 vs. Flt 1

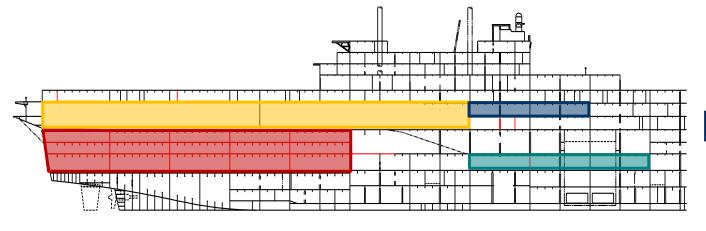


Hangar Enhancements **Aviation Shops and Storerooms**

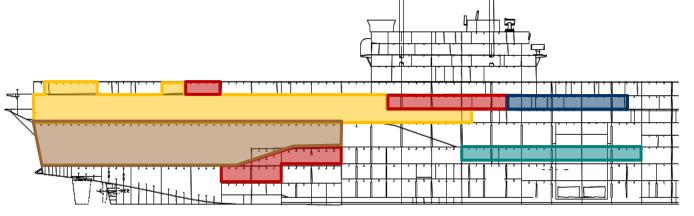
Medical Resized

Shops

2 LCAC/SSC Well Deck



Flight 0



Flight 1



LHA 7 Production Status







LHA(R) Flight 1







LHA(R) / JSF Integration







Cornerstone Alterations

- Power
- Maintenance/Logistics
- Weapons & Missions Support

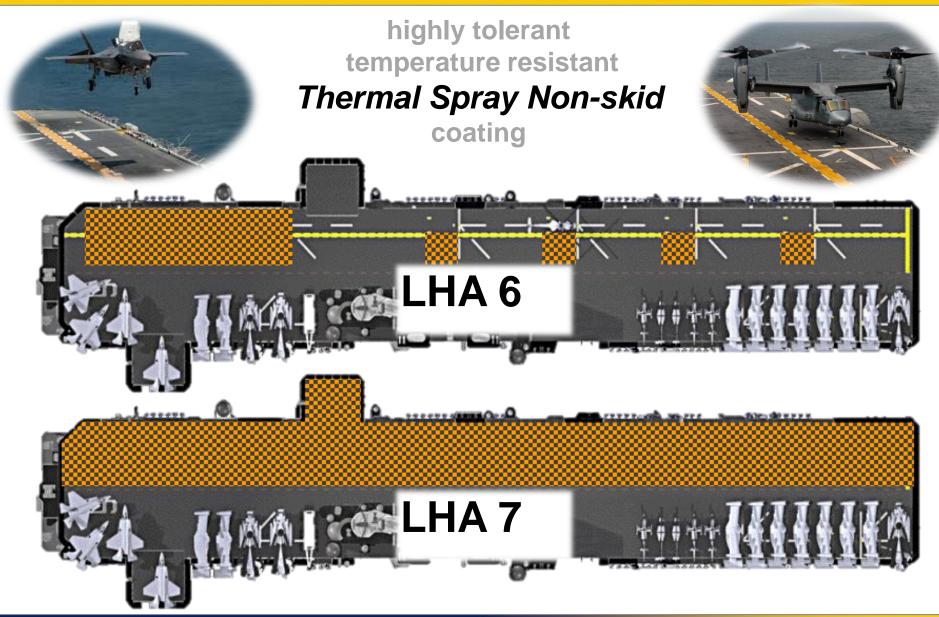
External Environment Alterations

- Flt Deck Structure & Coatings
- Weapons Systems
- Antennas
- Peripheral Services & Systems



Flight Deck TSN Application









LCUs vs. LCACs **Across the Range of Military Operations**





Theater Security LCAC

70%

LCU 17%

World's **Shorelines** Suitable for Landing is increased from 17 to 70 Percent



Building Partnerships

> **Non Combat Evacuation Ops** (NEOs)











MCO/Exercises



LCU 1610 / 1700

LCAC / SSC



LCU 1610



- 32 LCU 1610 craft in service; average age is 45 years old
- The LCU 1610 designed service life was only 25 years



LCU 1617 built in 1959

LCU 1617, is now 56 years old



LCU 1617 still serves today

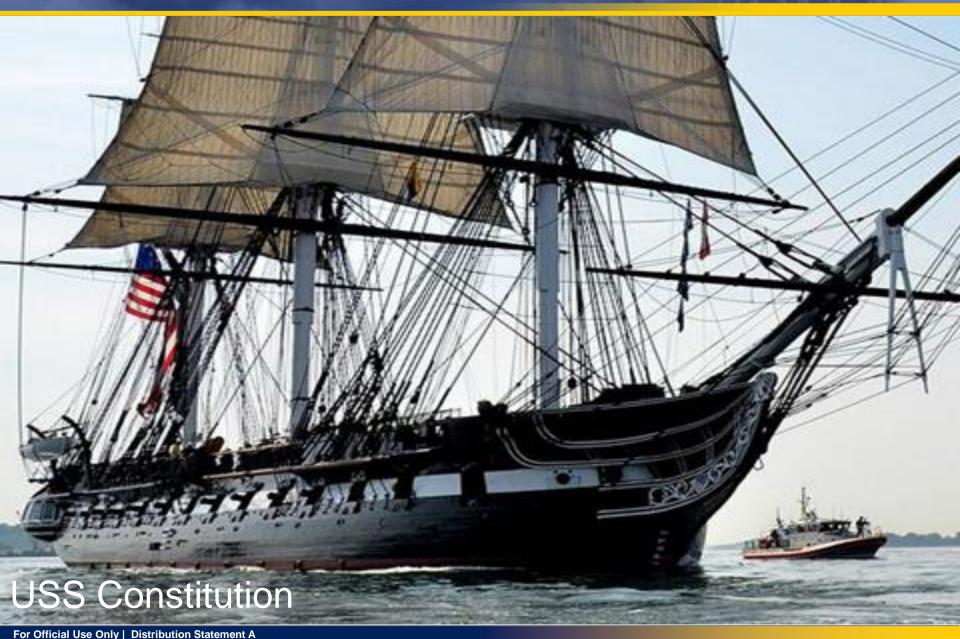
- Block system obsolescence
- Increasing maintenance costs
- Payload derated due to age/service life
- Corrosion repairs

2nd to the oldest...



... the Oldest







USS Constitution Corrosion







LCU Corrosion







SC(X)R / LCU 1700



Notional Capabilities

- Payload: up to 170 ST
- Personnel transport
- Range: 1,200 NM unrefueled
- Speed: 11 knots max,
 8 knots endurance
- Independent operation capable up to 10 days



Status

- Accelerated from FY18 to FY16 program start
- FBO Announcement forthcoming



Personnel Transport Module



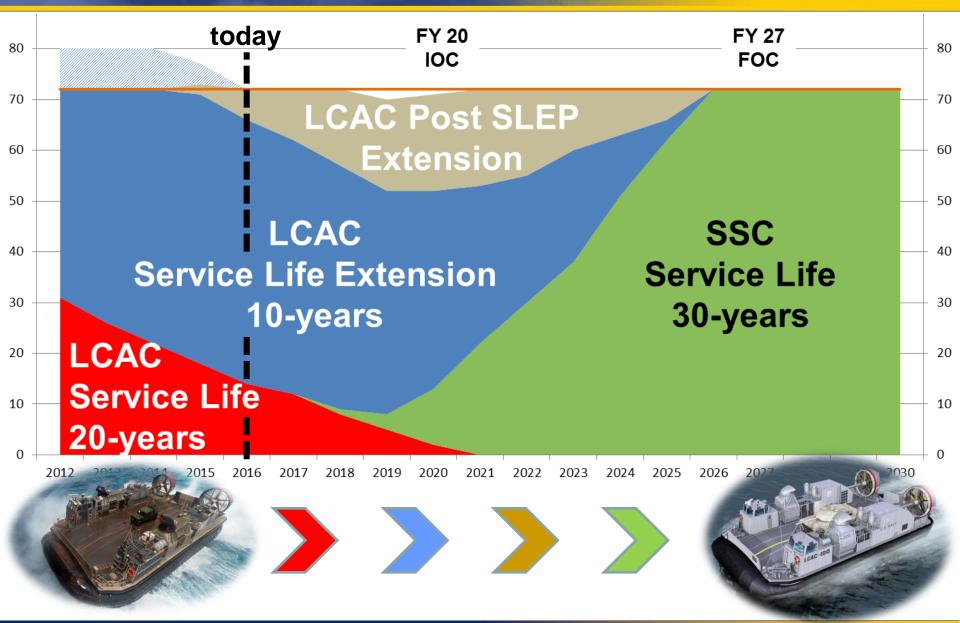


180 people | 144 troops | 54 litters



LCAC / SSC Transition Plan







SSC Design Characteristics More Lift + Lower Fuel Consumption + Less Maintenance



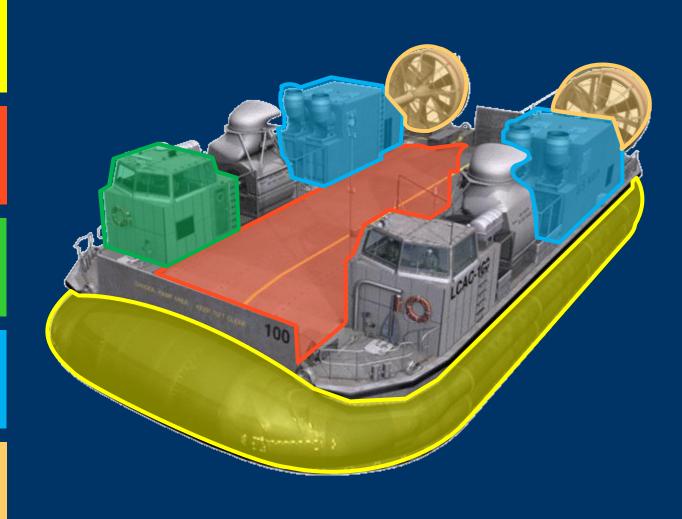
Advanced Skirt

Cargo Deck Sized for M1-A1 Tank

Pilot / Co-pilot **Arrangement**

Fuel Efficient Engines

Efficient Propellers



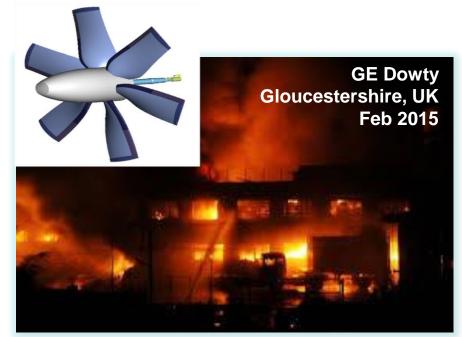


SSC Production Update





Hull #	Progress
100	27%
101	16%
102	FY16 start
103	FY16 start





QUESTIONS?



